

**amasty**

# Guide for Must-Haves Suite for Magento 2

A must-have set of tools for all Magento store owners. Top Amasty extensions combined to enhance every stage of the customer lifecycle funnel. Reinforce your business without any additional efforts with an out-of-the box solution.

1. Equip your business with a ready-made sales funnel
2. Get top positions in Google search and grow organic traffic to your website
3. Provide a stable, user-friendly store page performance on all devices
4. Build a well-structured navigation to help users instantly find needed products
5. Ensure fast and simple checkout process to decrease cart abandonment

This solution unites the functionality of tree separate extensions. Please see a detailed user guide for each of them to configure it properly.

## Google Page Speed Optimizer for Magento 2

The extension is compatible with Varnish. You can also add compatibility with 3-rd party extensions which use AJAX.

**Find out the general info on how to improve each Google PageSpeed value in our [FAQ section](#).**

Google Page Speed Optimizer consists of 3 modules: code optimization, image optimization and lazy load. All these extensions should be configured separately. To do this, go to **Stores → Configuration → Amasty Extensions**. Start with the **Google Page Speed Optimizer** tab.

Before starting the optimization, check your website's current Google score right from the admin panel using the **Diagnostic** option. This built-in testing tool helps you to measure the result after enabling each option. Diagnostics include the tips for Magento optimization based on the current score and the metrics that should be improved. Follow the recommendations to get the most out of the extension. Moreover, for your convenience, Magento performance optimization tips display a precise way for the feature that should be enabled to improve a specific metric.

# Configuration

Scope: Default Config ? Save Config

- AMASTY EXTENSIONS
- Extensions & Notifications
- AMP
- Google Page Speed Optimizer**
- Image Optimizer
- Lazy Load

## Google Page Speed Optimizer 2.2.0 by **amasty**

**FEATURE REQUEST**

**i** Need help with the settings? Please consult the [user guide](#) to configure the extension properly.

### General ⌵

Enable Module [store view]

### Diagnose your website's speed

Start Diagnostics [Request custom optimization](#)

HTML: ⌵

JavaScript: ⌵

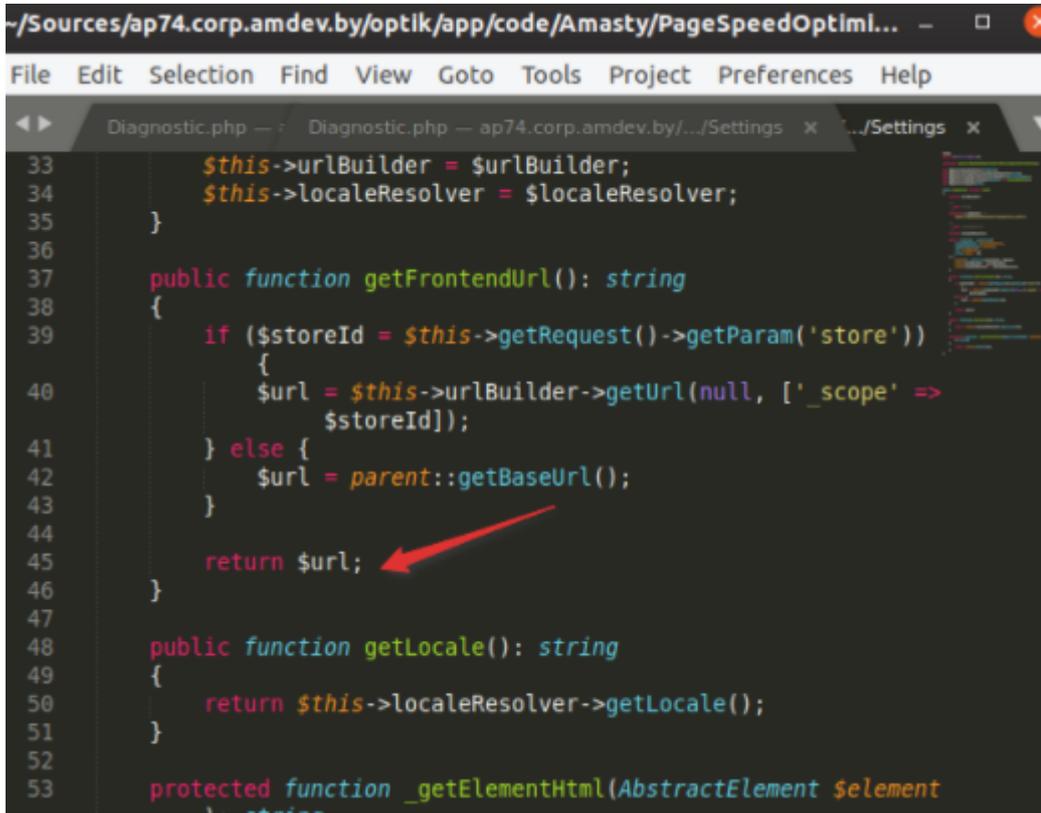
CSS: ⌵

Flat Tables: ⌵

Server Push: ⌵

Other Settings: ⌵

Please, mind that the extension automatically gets the URL of a real webstore to check. But if you install the module on a test instance, specify the required URL here:



```
33     $this->urlBuilder = $urlBuilder;
34     $this->localeResolver = $localeResolver;
35 }
36
37 public function getFrontendUrl(): string
38 {
39     if ($storeId = $this->getRequest()->getParam('store'))
40     {
41         $url = $this->urlBuilder->getUrl(null, ['_scope' => $storeId]);
42     } else {
43         $url = parent::getBaseUrl();
44     }
45     return $url;
46 }
47
48 public function getLocale(): string
49 {
50     return $this->localeResolver->getLocale();
51 }
52
53 protected function _getElementHtml(AbstractElement $element
```

You may see the desktop and mobile page speed scores separately. The informative block also contains Google recommendations.

Start Diagnostics

# Before

Your first diagnosis 3/1/2021

47 <https://google-page-speed-optimizer-m2.magento-demo.amasty.com/>  
— 0-49 — 50-89 — 90-100

Mobile Desktop

Eliminate render-blocking resources | **Potential savings of 350 ms**

Serve images in next-gen formats | **Potential savings of 55 KiB**

Remove unused CSS | **Potential savings of 79 KiB**

Reduce JavaScript execution time | **4.0 s**

Reduce the impact of third-party code | **Third-party code blocked the main thread for 720 ms**

Serve static assets with an efficient cache policy | **12 resources found**

**Eliminate render-blocking resources** | **Potential savings of 350 ms**

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. [Learn more](#) .

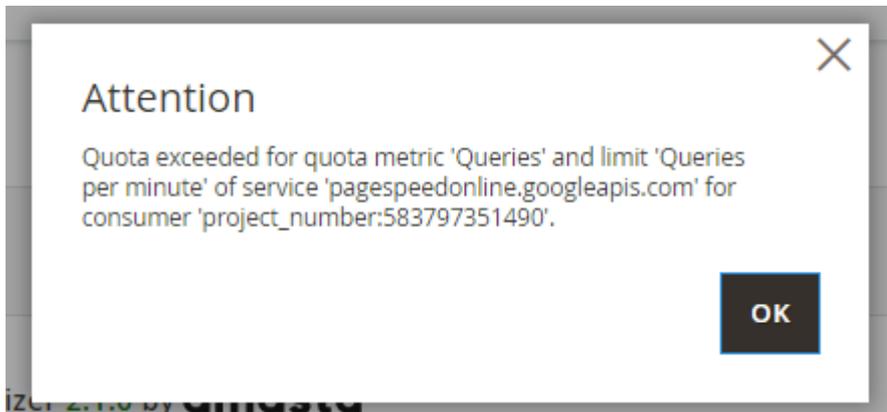
**Recommendations:**

Please recheck if JS or CSS causes the problem. If the report shows there is a problem with JS, you can fix it using our extension. Please make sure **Magento Production mode** is set before performing optimization. Then please enable **the following features**:

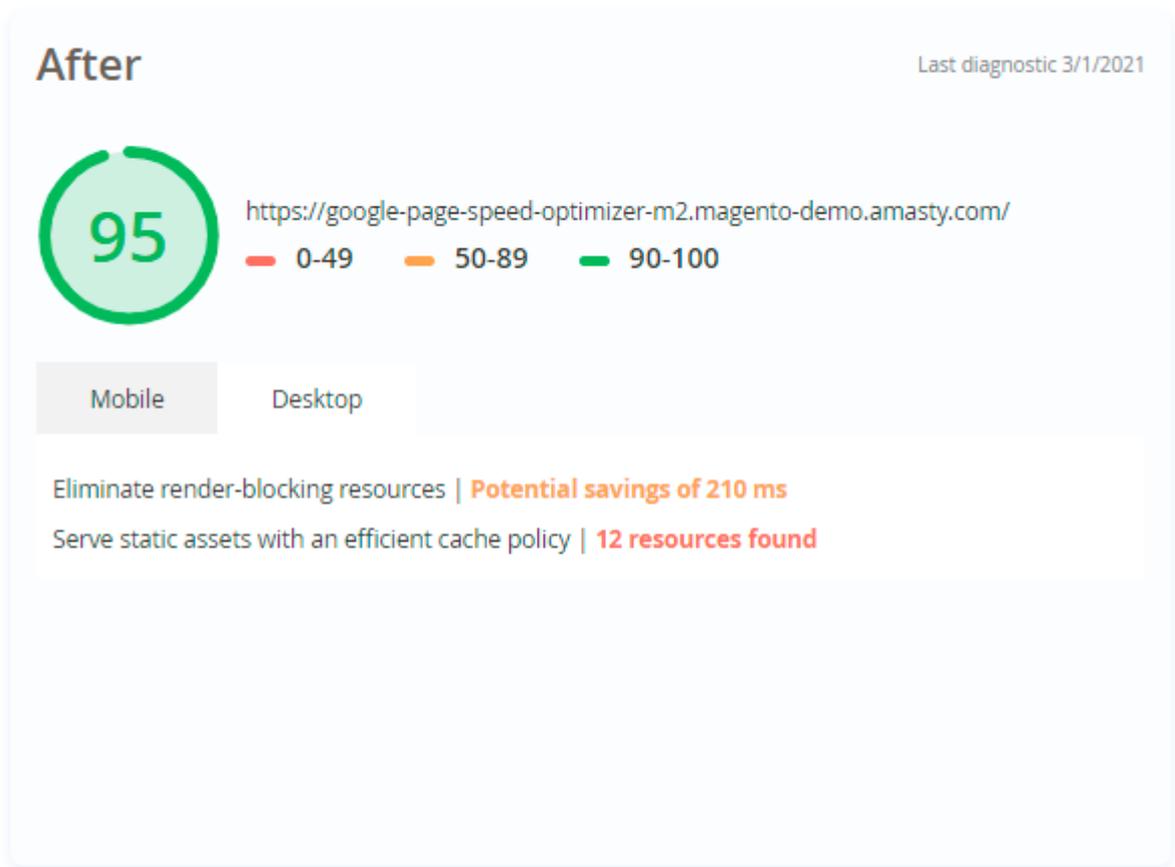
1. **Stores > Configuration > Amasty Extensions > Google Page Speed Optimizer > Settings > JavaScript > Amasty JS Optimization = Enabled.**
2. **Stores > Configuration > Amasty Extensions > Google Page Speed Optimizer > Settings > JavaScript > Move JavaScript To Page Bottom = Yes.**

In case the problem is about the CSS files, there is no one-size-fits-all solution. Each case needs a tailored approach. So to solve such issues, you need to hire a developer who will analyze the code and possibly adapt the styles especially for your website.

Note that Google has a limit for checking. If you face the issue below, please wait for some time and restart diagnostics.



Follow the recommendations and check the result once more. You will see the result in the **After** tab.



Before starting configuration, please, set **Magento Production** mode instead of Developer or Default. The Production mode is required to get the best performance of this extension. To start configuring the extension, please go to the [Google Page Speed Optimizer for Magento 2](#) guide page for detailed instructions.

## Improved Layered Navigation for Magento 2

The extension is **read compatible with GraphQL**. Now you can expose the datasets in Improved Layered Navigation for Magento 2 via GraphQL queries. Magento highly recommends to deploy static content after the extension installation.

To get access to Magento 2 layered navigation settings, please go to **Stores → Configuration → Improved Layered Navigation**

## General

Enable Ajax <small>[store view]</small>	Yes	▼
For the 'By button click' mode AJAX keeps working no matter which option is selected		
Scroll to Top after AJAX Load <small>[store view]</small>	Yes (to Listing Top)	▼
Add Vertical Scrolling to Filter Block After <small>[store view]</small>	300	
Set maximum box height in px, to disable enter 0		
Submit Filters on Desktop <small>[store view]</small>	Instantly	▼
Submit Filters on Mobile <small>[store view]</small>	Instantly	▼
Leave the Single-Select Filter Visible after Selection <small>[store view]</small>	No	▼
Number of Unfolded Options in State <small>[store view]</small>	0	
Other options will be shown after a customer clicks the "More" button.		
Slider Style <small>[store view]</small>	Improved	▼ ?
Exclude 'Out of Stock' Configurable Options from Navigation <small>[global]</small>	No	▼
Parent configurable products won't be displayed in the results when filtered by an out of stock option. This setting will exclude such products from search results as well.		

For further configuration instructions, please go to the [Improved Layered Navigation for Magento 2](#) guide page.

## One Step Checkout for Magento 2

The extension is read and write **GraphQL compatible**. Now you can expose and mutate the datasets in One Step Checkout for Magento 2 via GraphQL queries.

To configure the Magento 2 One Page Checkout settings, please go to **Stores → Configuration Amasty Extensions → One Step Checkout**.

Expand the **General** tab.

## General

**Enable One Step Checkout**  
[store view]

 ▼

**Allow to Edit Products in the Order Summary**  
[store view]

 ▼

**Finish Product Editing**  
[store view]

 ▼  
Manually  
Automatically

Select 'Automatically' to trigger an update of Order Summary automatically after the quantity or product options are changed.

**Enable One Step Checkout** - set to Yes to activate the extension.

Please go to the [One Step Checkout for Magento 2](#) guide for detailed configuration instructions.

From:

<https://amasty.com/docs/> - **Amasty Extensions FAQ**

Permanent link:

[https://amasty.com/docs/doku.php?id=magento\\_2:must\\_haves\\_suite](https://amasty.com/docs/doku.php?id=magento_2:must_haves_suite)

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